

# ACTVET

Abu Dhabi Centre for  
Technical and Vocational  
Education and Training | مركز أبوظبي  
للتعليم والتدريب  
التقني والمهني



الابتكار بارك  
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# about ACTVET

**The Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET) was established in 2010 by the directive of His Highness Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi, Deputy Supreme Commander of the UAE Armed Forces and Chairman of the Executive Council.**

ACTVET is committed to establishing policies and standards that effectively regulate technical and vocational educational institutions in the emirate of Abu Dhabi. ACTVET is also responsible for the licensing of trainers and tutors that meet the demands of the UAE's local market.

In 2014, the National Qualifications Authority (NQA) and the Vocational Education and Training Awards Council (VETAC) of the UAE have authorized Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET) as the first Awarding Body in the United Arab Emirates. ACTVET Awarding Body oversees the quality assurance of qualification development and delivery processes for Abu Dhabi and the Northern Emirates.

The Centre aims to boost training and educational opportunities for young nationals within the qualification framework of the Emirate. ACTVET's ultimate goal is to increase the number of skilled Emirati youths in rewarding career paths and to foster life-long learning and personal development.



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# about Innovation Park

Innovation Park provides short and long term learning and development solutions to address the needs of UAE Nationals, industry and labor market, to serve the community and its commitment to build future workforce skills for UAE nationals to meet job market needs.



ACTVET



## MISSION

To build a community of positive change-makers who practice socially responsible and mindful leadership



## VISION

To be the community hub stimulating innovation, entrepreneurship and skills development, being the bridge between research and industry

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## Innovation Park **Objectives**

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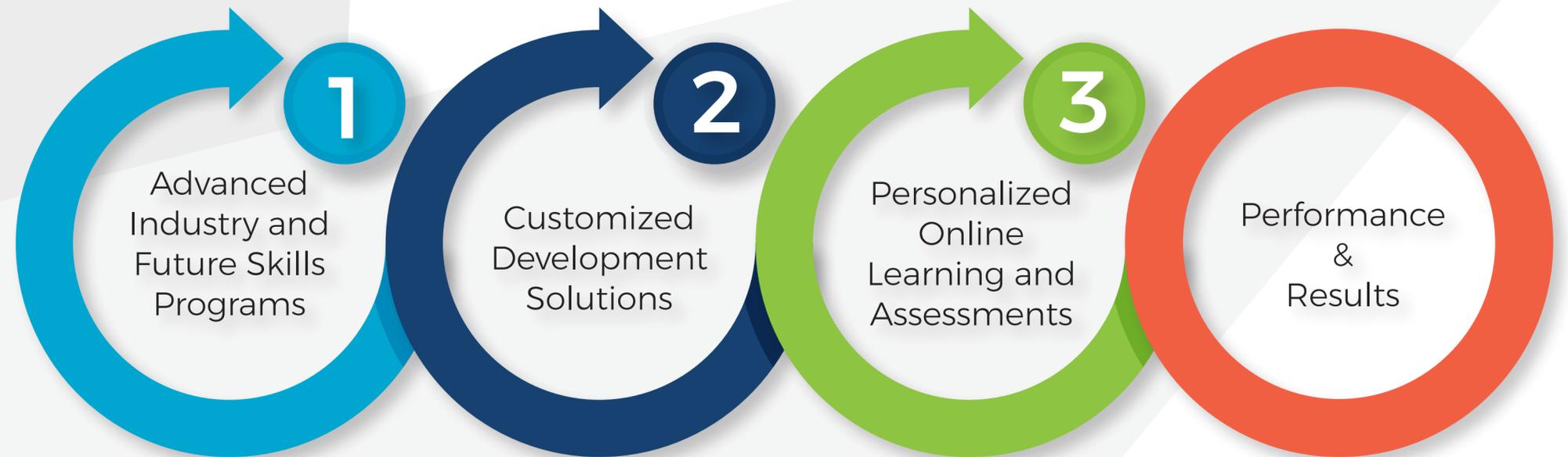
- Implement training programs and endorsed qualifications according labor market needs.
- Meet the professional development needs for different sectors and the individual learning requirements for the community.
- Build future technical skills required by the industry.
- Establish and maintain partnership with various industry sectors.



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AREAS OF  
**Specialization**

- Leadership & Workforce Development
- UAE Nationals Integration & Career Path



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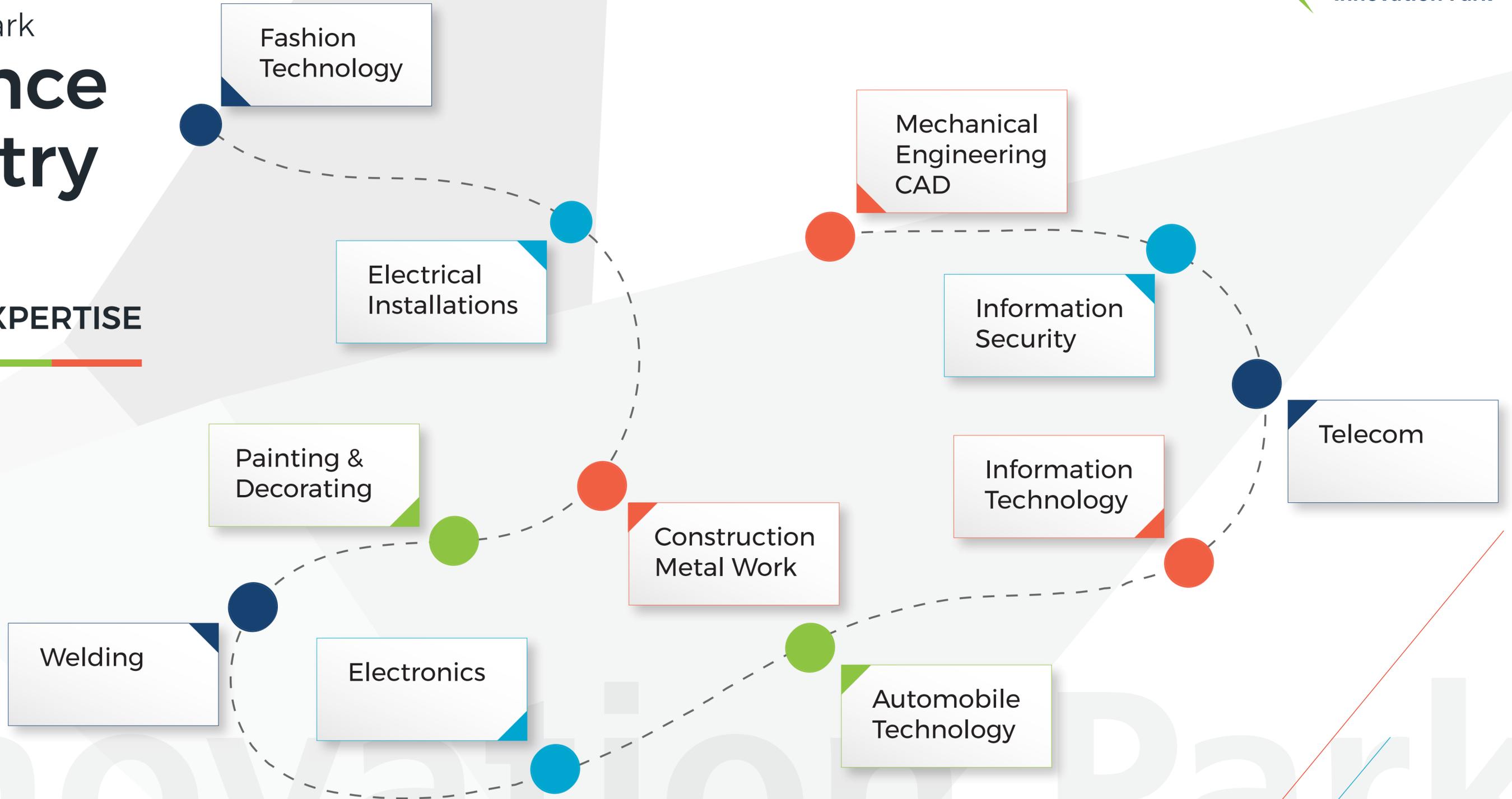
# Training Methodology



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# Advance Industry Skills

AREAS OF EXPERTISE



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# Future Skills

## AREAS OF EXPERTISE

### Highlights:

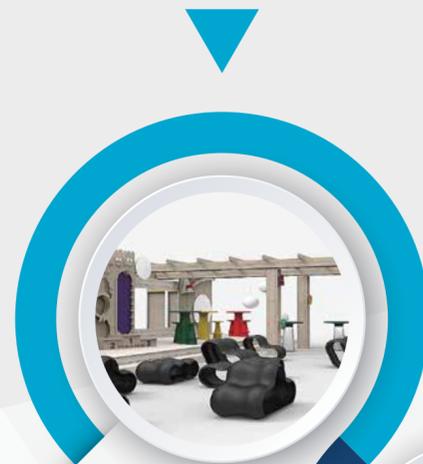
-  Led by experts.
-  Practical training.
-  Training on high tech machines  
Discuss how this technology will revolutionize our world

3D Printing  
(Training and Production)

Internet  
of things

CNC  
Milling

Business  
Intelligence



Big Data

CNC Turning

Artificial  
Intelligence

Mobile  
Robotics

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# Business Skills

AREAS OF EXPERTISE



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# Management & Leadership

CUSTOMIZED DEVELOPMENT SOLUTIONS

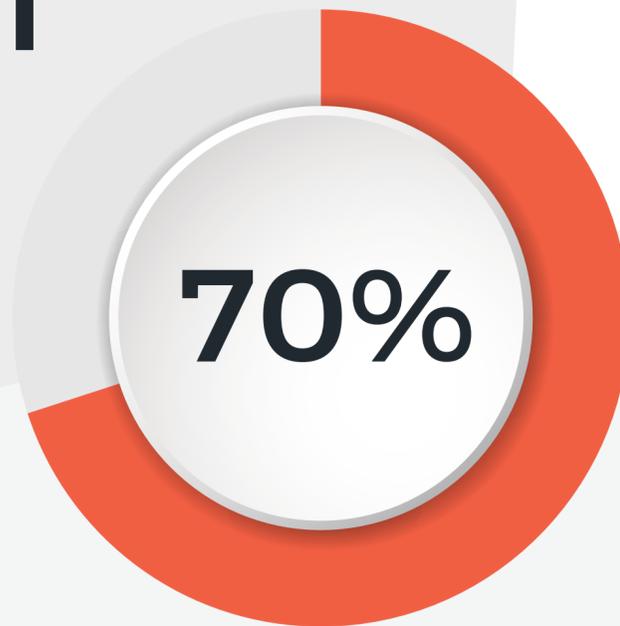


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# 70/20/10 Organizational Learning Model

CUSTOMIZED  
DEVELOPMENT SOLUTIONS

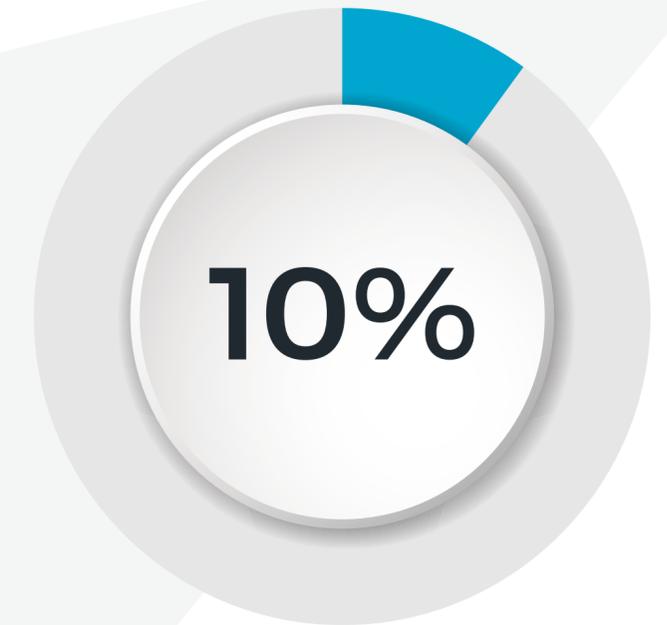
Designed to integrate experiential, social and formal learning, the 70/20/10 model has been adopted globally to support new individual and organizational learning and is the main tool used to build a Learning Culture



**70%** of learning happens through on-the-job experience



**20%** of learning comes from coaching, mentoring and feedback



**10%** of learning comes from formal training

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Online Assessments

# (Recognition of Prior Learning) - RPL

RPL Recognition of Prior Learning is a process of giving individuals recognition for skills, knowledge, experience and competences they have gained through working and/or learning towards an accredited vocational qualification.

The essential element of RPL is that it is an assessment of evidence provided by an individual to support their claim for competence against a given set of standards or learning outcomes.

RPL is a very simple and straightforward process of assessing someone's skills or knowledge, regardless of where and how these were learned. Unlike other forms of assessment it doesn't judge someone's evidence of competence solely by the credentials or qualifications they have achieved, although this can form part of their claim. Nor does it consider where a person worked, their age or gender.

What RPL does is allow people to demonstrate that they are capable of undertaking specific tasks or working in certain industries based on evidence of skills and knowledge gained throughout their life.



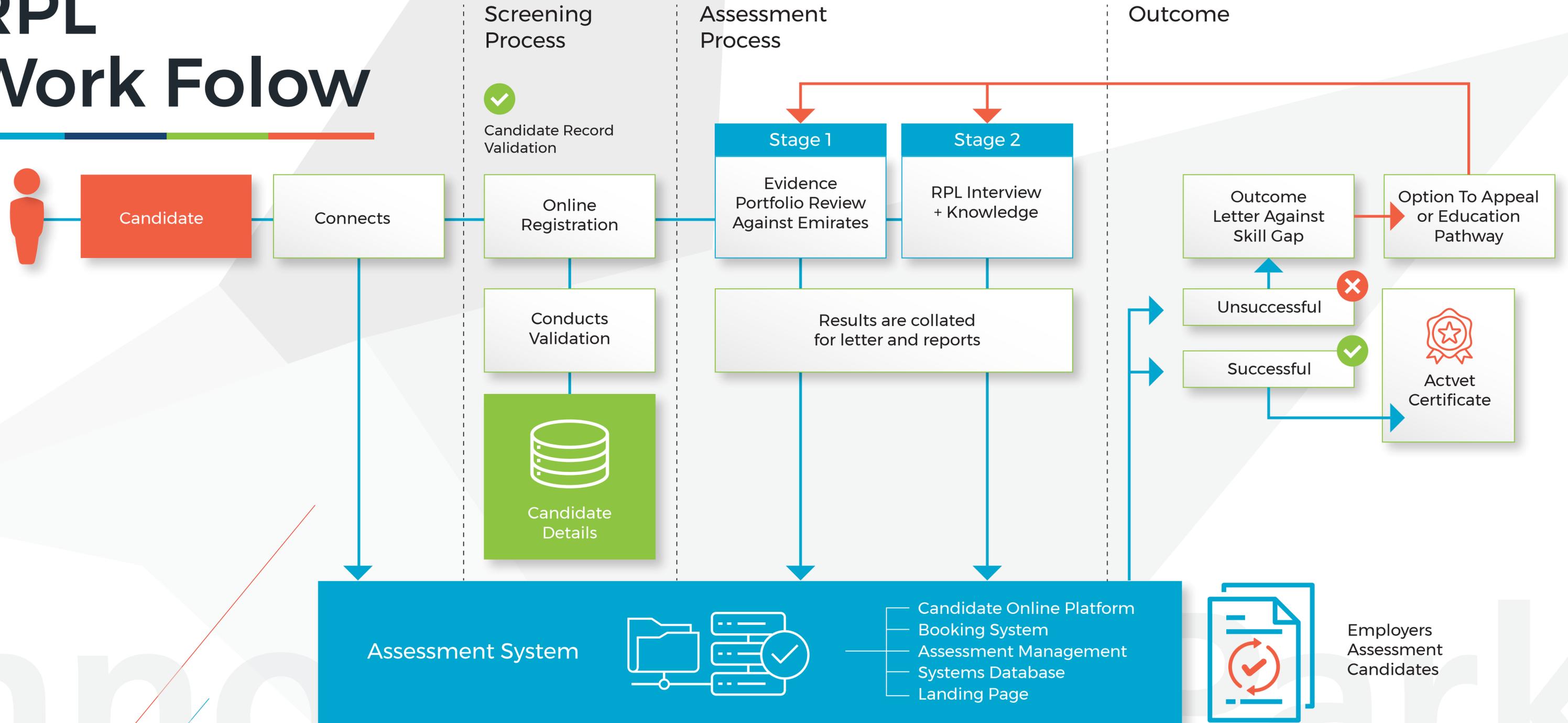
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# RPL Stages and Outcomes

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# RPL Work Folow



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# Innovation Park 3D Printer

Colossus is one of the biggest  
3D Printer in the world



# COLOSSUS

GIGANTIC 3D PRINTING

<https://colossusprinters.com>

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# Why Colossus?

Colossus is the world's largest, most advanced and the first fully integrated transportable Fused Granular Fabrication (FGF) 3D printing system.

The Colossus printer is the first system designed with a special accent on materials for furniture, construction applications and large size 3D objects.

Special attention was placed on being able to work with recycled materials. Combining cutting-edge technology to give plastics a second life.



# COLOSSUS

## GIGANTIC 3D PRINTING

FGF

15  
Kg/h

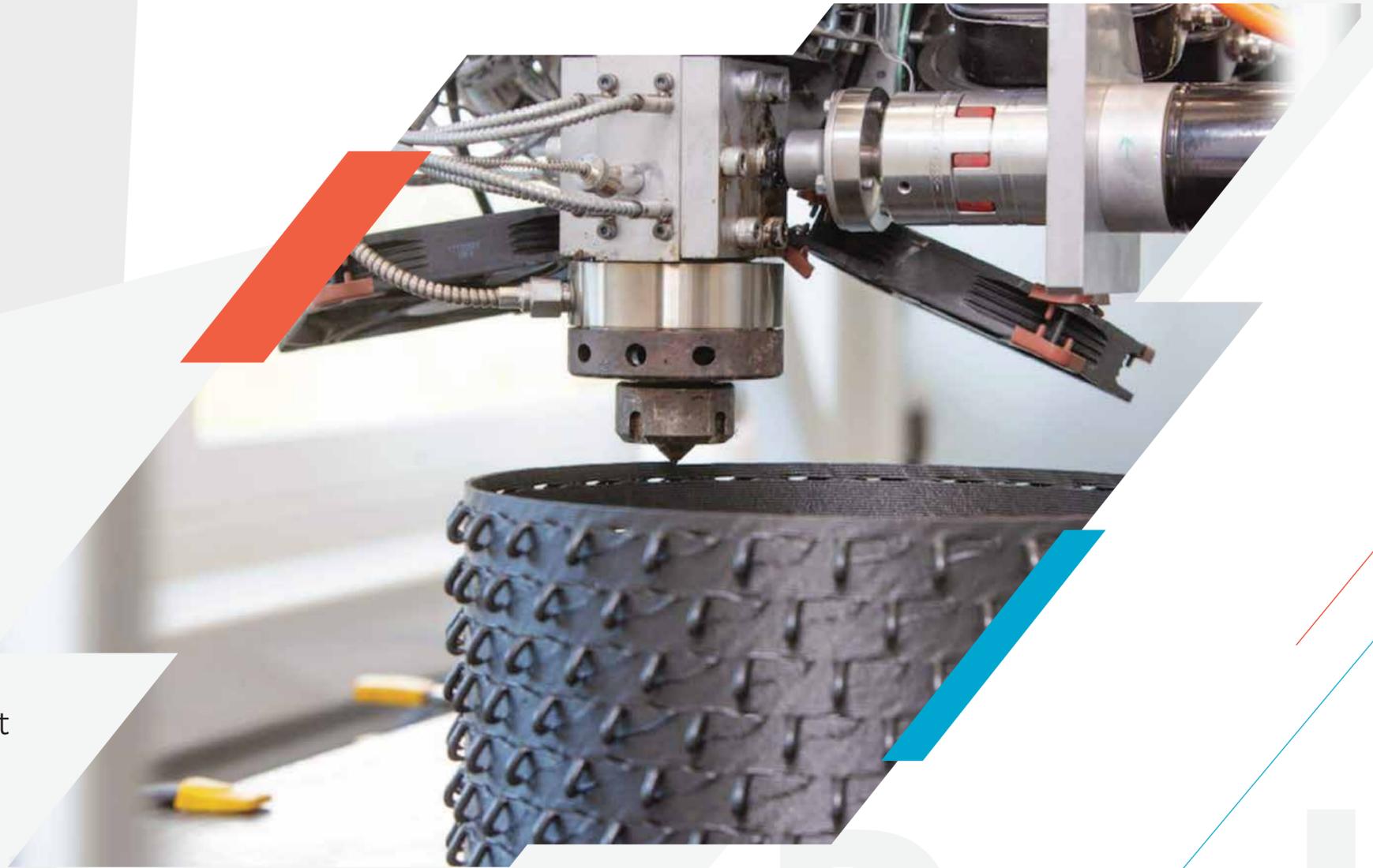


5M<sup>3</sup>

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# Specifications

- Large build volume of 5 m<sup>3</sup>
- Granulate fed extruder print head (FGF)
- Mobility: easy to move the printer to location
- Incredible print speed/ retraction enabled
- Use of 8 specially designed FGF materials (pellets)
- First big printer to use recycled PET, RPP
- Vacuum build plate for easy print removal and calibration  
Includes innovative Black box software and remote internet debugging and connectivity.



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# Specifications



## Transportable Mini Factory

A box in a box. Colossus is the worlds first fully transportable manufacturing solution. Forget transport costs and keep your printer on the go, printing live or on location to be closer to your clients.

## Print Head/ Dehumidification and Pre-Drying

Half of the quality of a print is the state of the material which is why we have a fully integrated drying unit to prep your material so you can get the most out of your print. Capable of temperatures of up to 400C gives you the flexibility to print almost any plastic material.

## Software / Big data

All our machines come with remote- connectivity, cameras and data points so we can monitor and upgrade your machine at a distance. Making our reaction time much faster to cater to your every need.

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# Specifications



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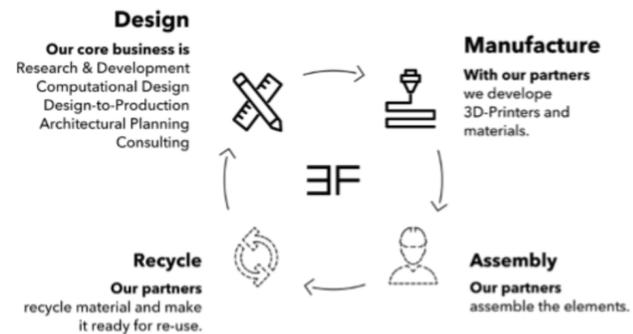
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# Printing Samples



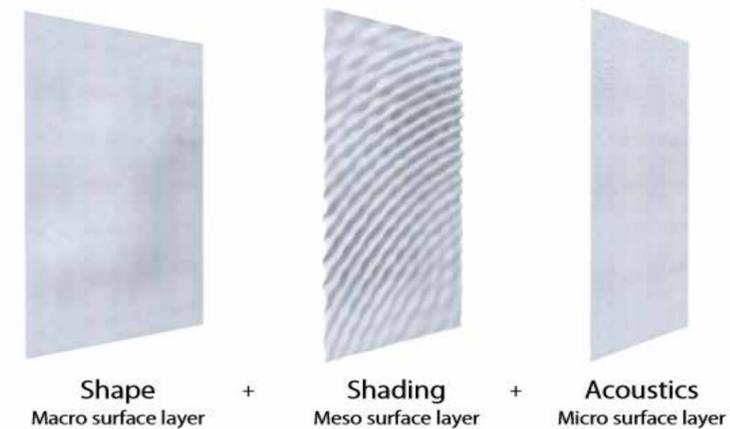
## 3F Studio How we work



## > USP

- One contractor
- Simplified planning
- Best use of technology
- Functional geometries
- Recognisable design
- Circular material economy

## Facade System It works in layers



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